

FIG. 1

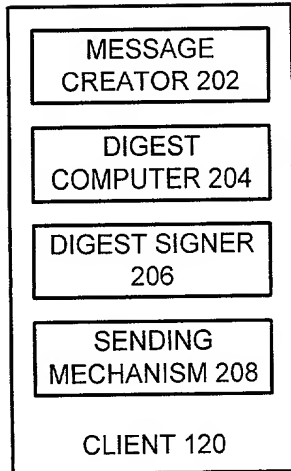


FIG. 2

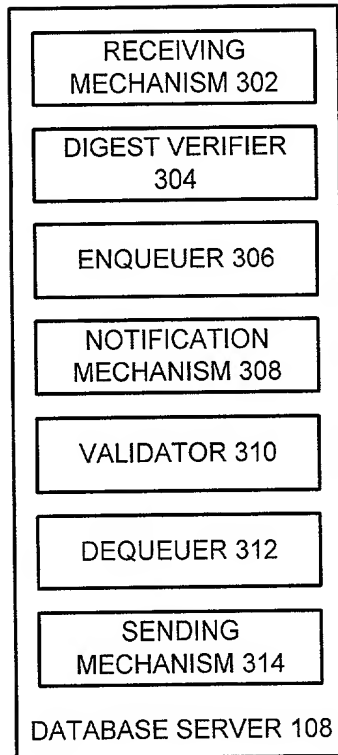


FIG. 3

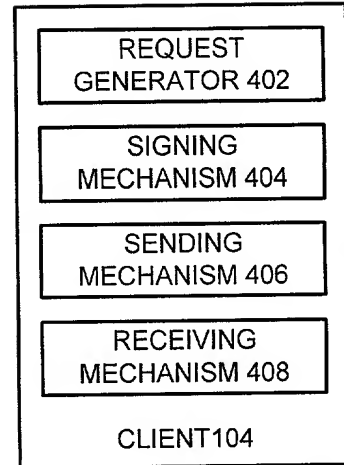


FIG. 4

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graph TD
    START([START]) --> 502[CREATE A MESSAGE 502]
    502 --> 504[COMPUTE A DIGEST OF THE MESSAGE 504]
    504 --> 506[CRYPTOGRAPHICALLY SIGN THE DIGEST 506]
    506 --> 508[SEND MESSAGE AND DIGEST TO DATABASE SERVER 508]
    508 --> 510[RECEIVE MESSAGE AND DIGEST AT DATABASE SERVER 510]
    510 --> 512{ARE SIGNATURE AND DIGEST VERIFIED? 512}
    512 -- YES --> 514[ENQUEUE MESSAGE AND DIGEST 514]
    514 --> 516[NOTIFY RECIPIENT 516]
    516 --> STOP([STOP])
    512 -- NO --> 518[POST ERROR MESSAGE 518]
    518 --> STOP
  
```

FIG. 5

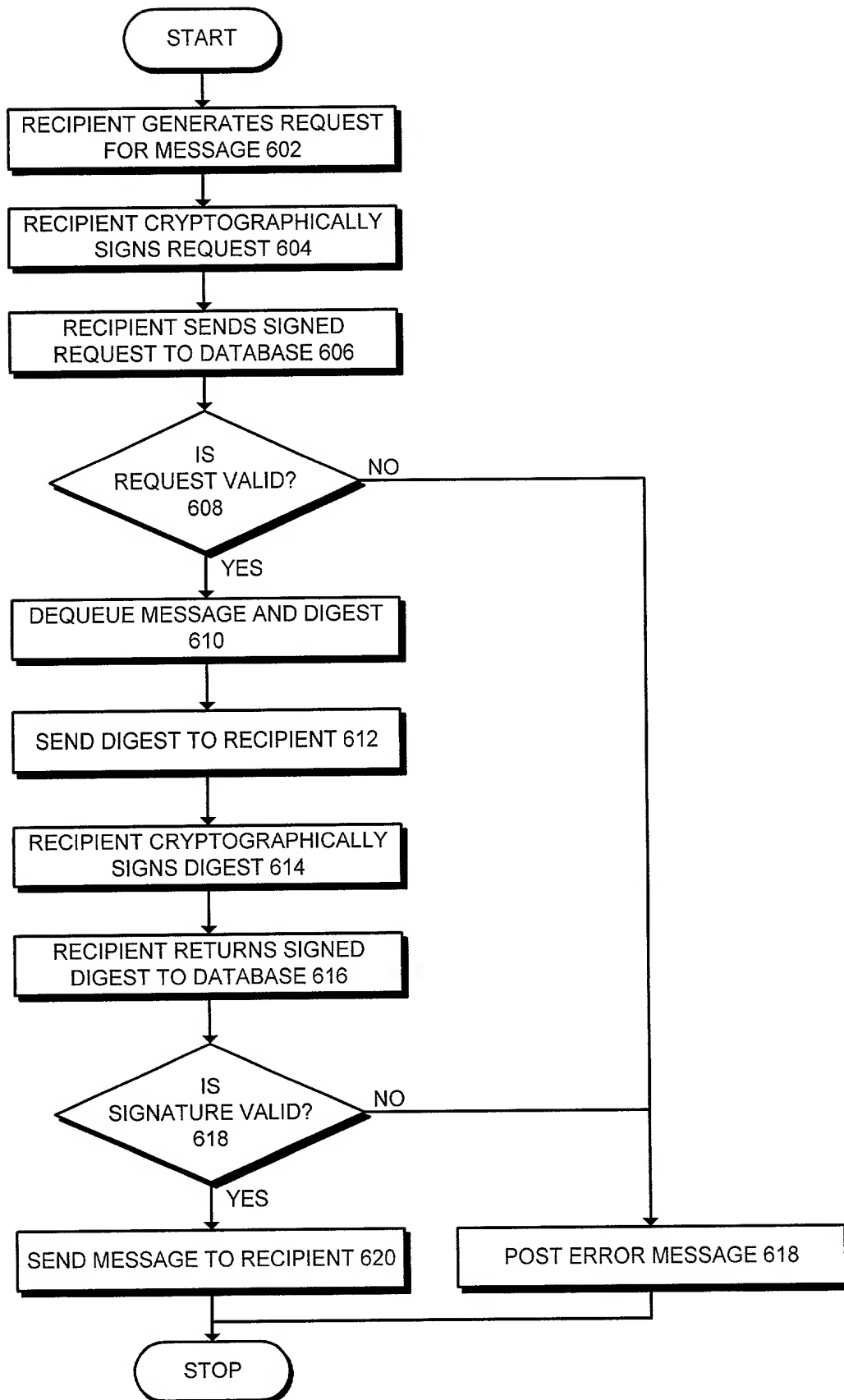


FIG. 6